

IN THE CLAIMS

Please amend the claims as follows:

1. (original) Vacuum display device, comprising:
 - a display screen (130) for displaying image information
 - cathode means (120) comprising an emitter material (224) for emitting electrons and
 - an electron concentrator (115) for collecting the electrons, having an exit aperture (117) for releasing an electron beam (EB) impinging on the display screen (130),characterized in that the emitter material (224) is arranged on a first surface (102), said first surface (102) excluding a first impact area (106) for receiving positive ions, said first impact area (106) being arranged on a second surface (104) facing the exit aperture (117) and comprising a projection (117') of the exit aperture (117) on said second surface (104).

2. (original) Display device as claimed in Claim 1, characterized in that the second surface (104) at least partially comprises the first surface (102), said first surface (102) enclosing the first impact area (106).

3. (original) Display device as claimed in Claim 2, characterized in that the first surface (102) is annularly shaped.

4. (original) Display device as claimed in Claim 1, characterized in that the first impact area (106) is at least partially recessed.

5. (original) Display device as claimed in Claim 1, characterized in that the display device comprises a pumping chamber (340) on the emitter side of the electron concentrator (315), for removing residual gases.

6. (original) Display device as claimed in Claim 5, characterized in that the first surface (302) substantially faces the pumping chamber (340).

7. (currently amended) Display device as claimed in Claim 2~~and~~ 5, characterized in that the first impact area (406) is provided with an aperture (408) in connection with the pumping chamber (440), for passing positive ions to said pumping chamber (440).

8. (currently amended) Display device as claimed in Claim 5~~or 6~~, characterized in that the pumping chamber (440) comprises a second

impact area (408) for receiving positive ions, said second impact area (408) being at least partially recessed.

9. (original) Display device as claimed in Claim 5, characterized in that the pumping chamber (440) comprises a getter.

10. (original) Display device as claimed in Claim 1, characterized in that the electron concentrator (115) comprises an electron beam guidance cavity being provided with secondary emission material and having an entrance (116) being larger than the exit aperture (117).

11. (original) Display device as claimed in Claim 1, characterized in that the emitter material (224) comprises a field emitter.